

University of Nebraska - Lincoln

DigitalCommons@University of Nebraska - Lincoln

Nebraska 4-H Clubs: Historical Materials and Publications

4-H Youth Development

1955

4-H Tractor Operators Contest, Judges Instructions : Extension Circular 7-54-2

Delbert E. Lane

Follow this and additional works at: <https://digitalcommons.unl.edu/a4hhistory>



Part of the [Service Learning Commons](#)

Lane, Delbert E., "4-H Tractor Operators Contest, Judges Instructions : Extension Circular 7-54-2" (1955). *Nebraska 4-H Clubs: Historical Materials and Publications*. 186.
<https://digitalcommons.unl.edu/a4hhistory/186>

This Article is brought to you for free and open access by the 4-H Youth Development at DigitalCommons@University of Nebraska - Lincoln. It has been accepted for inclusion in Nebraska 4-H Clubs: Historical Materials and Publications by an authorized administrator of DigitalCommons@University of Nebraska - Lincoln.

E.C. 7-54-2
1955

E.C. 7-54-2
REVISED

4-H TRACTOR OPERATORS CONTEST

by Delbert E. Lane
Assistant Extension Engineer

JUDGES INSTRUCTIONS

TRACTOR OPERATORS' CONTEST

1. Have a non-contestant drive through the course before contest starts.
2. See that tractors are run in field gear.
3. Watch for safety violations, before and after, as well as during events. The judge in charge of starting and warm up should see to it that nobody is on the tractors except the contestant. Tractors should be supervised at all times.
4. One judge should stay with each event. For belting and driving events, a time keeper should assist the judge.
5. Underline violations on score sheet, so that contestant will know what was wrong.
6. Operating and safety violations not listed should be scored according to the seriousness of the violation. Be consistent. Note unlisted violation under comments.
7. Pass score sheets back to contestant after each event. He will take it to the next judge.
8. Judges will mark violations - need not attempt to total scores. An additional scorer may be used to total scores.

No practice runs permitted. Contestants can have a few minutes to become acquainted with tractors before or during starting and warm-up.

EXTENSION SERVICE
UNIVERSITY OF NEBRASKA COLLEGE OF AGRICULTURE
AND U.S. DEPARTMENT OF AGRICULTURE
COOPERATING
W. V. LAMBERT, DIRECTOR

RECEIVED
DEC 10 1970
COLLEGE OF AGRICULTURE
LIBRARY

- 4-H TRACTOR OPERATOR'S CONTEST -

Following are rules and suggestions for conducting a 4-H Tractor Operator's contest. Modifications may be necessary to meet local conditions or time limitations.

WHO MAY ENTER?

Contestants should be enrolled in a 4-H Tractor Club and have completed the first year project material. To be eligible, members must have some practical experience in handling tractors, and have reached their 14th birthday, but not their 21st, as of January 1 of the year in which the contest is held.

SCORING:

Scoring will be by a points off system, the lowest score winning. Skill, knowledge and safety are stressed. There should be a scorer for each event, with all contestants rated by the same scorer on a given event. Each scorer should have a stop watch, the score sheets for his event, a yardstick for measuring, and a clipboard. It may be desirable to have an assistant scorer helping with events No. 3, 4, and 5.

The judges will collect the score sheets at the end of the contest and total the scores on a separate sheet.

PREPARING FOR THE CONTEST

PLACE:

An athletic field with bleachers is ideal. Any fairly level area of one or two acres will do.

In the interest of safety and fairness, provision must be made for keeping the spectators off the field during the contest. The courses should be roped off, and if a public address system is used, the announcer can aid in keeping onlookers from accidentally interfering with contestants.

TRACTORS:

Tractors may be of any make but should be late model machines in good condition. Any material cluttering the tractor platform or mounted equipment that could interfere with safe operation, should be removed. The contestant may choose his own machine.

OTHER MATERIAL:

1. A belt driven machine, which will provide a belt load, is needed. A suitable belt must be provided.
2. A two wheeled spreader or trailer is needed for event #4, a four wheeled trailer for event #5.
3. Numbered cards or arm bands for the contestants will help avoid confusion.
4. Sufficient copies of the written test must be prepared.
5. Each scorer should have a clip board, stop watch, and yardstick.
6. Stakes or oil drums, or a combination of these, will be needed to mark off the course. Clothes line rope or whitewash lime may be used to indicate solid walls, etc.
7. A 50' steel tape will aid in laying out courses.
8. If possible, a P. A. system and a good announcer should be available.

ARRANGEMENTS:

Material should be lined up sufficiently in advance to avoid any "last minute rush". The course should be laid out the day before the contest. Scorers should be selected early

and instructed as to duties, particularly on safety violations. Contestants should be assembled before the contest for briefing on the rules, and if necessary, instruction on operation of the tractor by the owner or a company representative. If the contestant is not familiar with the controls, some practice should be allowed. A practice run through the course will not be permitted.

Notify local newspapers, radio stations, etc., at least two weeks in advance.

SAFETY

Following are some safety violations which should be watched for by scorers. Do not hesitate to disqualify contestants for serious safety violations.

1. Riding the draw-bar.
 2. Not checking neutral position when starting engine.
 3. Driving tractor dangerously fast.
 4. Wearing ragged or loose clothes, unbuckled overshoes, ragged gloves, etc.
 5. Disengaging hand clutch and leaving tractor in gear while dismounting.
 6. Moving tractor by use of clutch while standing alongside, in order to belt or hitch. (Contestant should be disqualified.)
 7. Dismounting from tractor in motion.
 8. Putting belt on with pulley in motion.
 9. Smoking while checking tractor.
 10. Failure to lock brakes or put tractor in neutral when dismounting or while judges are measuring and unhitching.
 11. Starting tractor before checking to see that everyone is well clear.
- Do not limit safety violations to this list. Others may occur.

EVENTS

EVENT NO. 1. Written Examination.

It is suggested that twenty questions be selected from the quizzes in the First Year Work Sheets. At least two questions should be selected from each of the eight exercises. Each question missed will count 30 points on the score of the contestant.

EVENT NO. 2. Starting and Warm-Up.

The contestant will inspect his tractor, start his engine, and allow approximately two minutes for warming up. He will then move it forward a few feet and wait for Event No. 3.

EVENT NO. 3. Handling a Two Wheeled Implement.

A manure spreader widened to eight feet by a wooden frame or a wide two wheeled trailer may be used for this event. The contestant will be assisted in hitching by the scorer. He will maneuver thru the course. (Fig. 1.) return machine to its original position in the shed, unhitch, and drive tractor to starting line.

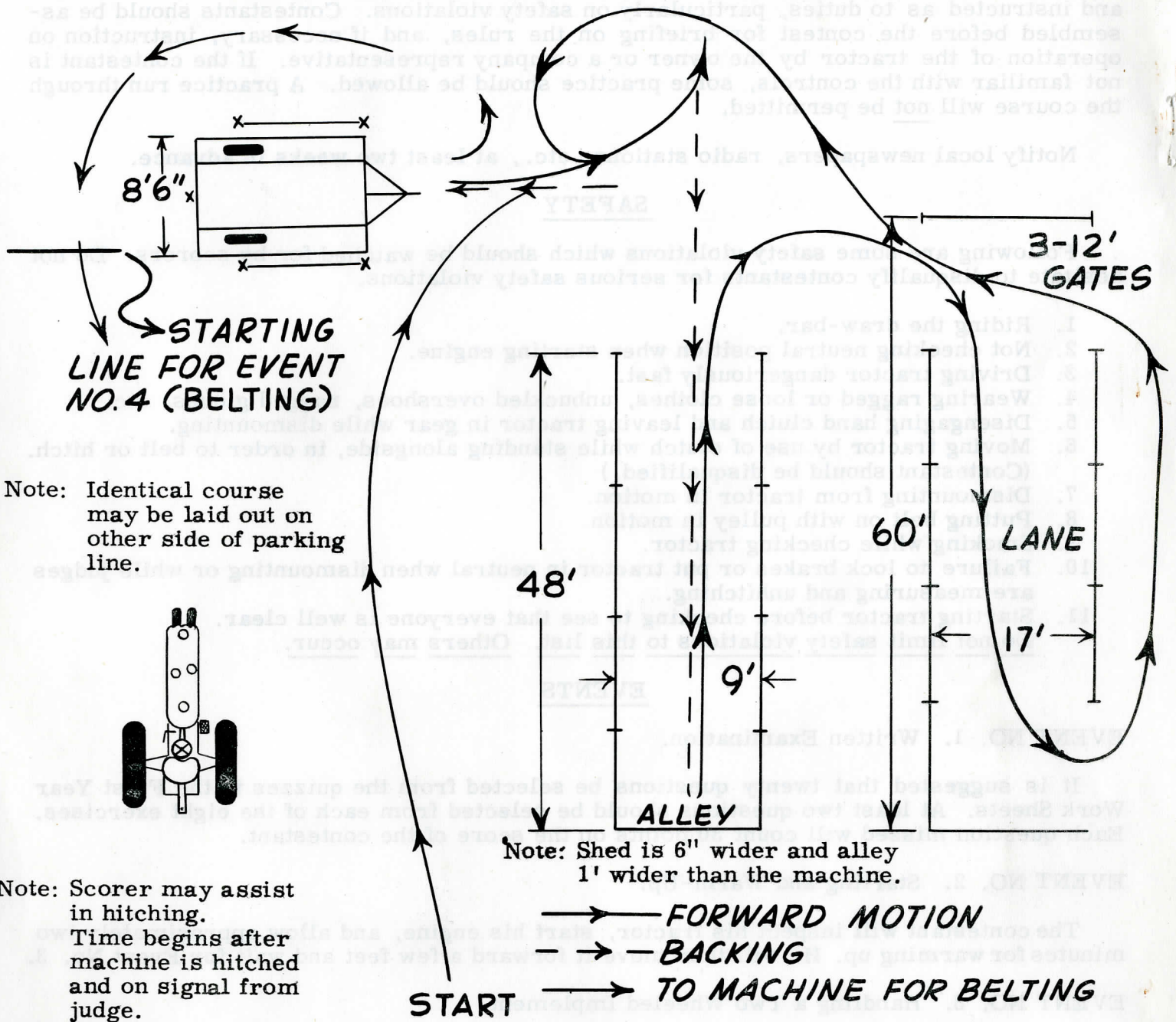
EVENT NO. 4. Belting.

The operator will start from a given position, align his tractor with the belt driven machine, dismount and unroll the belt, put it over the drive pulley, back the tractor to bring the belt into proper tension, and run machine up to one-half governed speed. The belt will be rolled up before each event, and if necessary, the machine will be shifted to prevent the next contestant using his predecessor's tracks as a guide.

EVENT NO. 5. Handling 4-Wheeled Trailer.

The event is optional, or may be substituted for Event No. 4. The same procedure is used as in No. 4, except for the change in the course. (See Fig. 2)

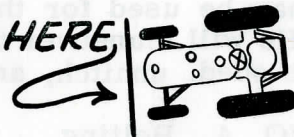
Suggested Course For Event No. 3



TRACTOR LINE UP

FORWARD
BACKWARD

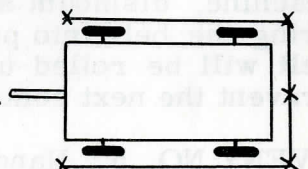
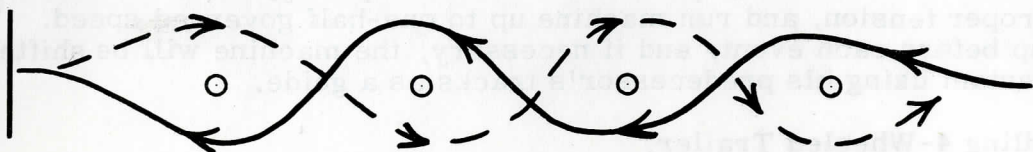
1. TRACTOR STARTS HERE



Note: Markers spaced 30' with 50' between markers and ends of course.

3. Wagon is pulled through serpentine course.

2. Operator hitches to wagon in shed.



4. Stopped at line; backed through course.

Note: Shed is 1' wider than wagon.

5. Wagon backed in shed and unhitched - Tractor returned to starting point.